Wireless Modem Card (WMC)

ITT Industries
Engineered for life

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VENDOR DESCRIPTION

The ITT ad hoc network modem offers a complete PC card wireless modem solution. The Type II PC card supports high-quality, low-latency voice, data and video applications.

Up to 6 Mbps of streaming audio and video, fast and accurate geolocation, and even voice services can be added to any device with a PC card slot, simply by inserting the wireless modem card.

The wireless modem cards can form their own peer-to-peer mesh network – anywhere, anytime – when embedded in a host processor (e.g. laptop). A high-speed broadband network will automatically form between authorized devices – even in places where there is no network infrastructure.

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PM RUS Robotic & Unmanned Sensors

Business Category: Large Business

CDR

Hardware		
Power: 1 Amp @ 3 Volts max Output 1 Watt RF max	Cooling: Ambient air (not required)	Bandwidth Required: 80 MHz DSSS (ISM Band II)
Weight: 4 oz	Operating Altitude: -200 ft to +50,000 ft AGL	TCDL Compatibility: No
Rec/Trans Weight: 4 oz.	Operating Speed: Up to 150 mph	Complete % of Missions Started Without Failure: NA
Antenna Weight: .1 lbs	Operating Temp.: -40°C to 125°C	MTBSA: TBD
Processor Weight: NA	Storage Temp.: -40°C to 125°C	MTTR: TBD
Internal Volume: 1.5in^3 (PCMCIA)	Interface: Ethernet port/PCMCIA Type II	Maintainability: TBD

Performance	
BLOS for TOC-to-TOC radios of the Tactical Internet: Yes – with relays	# of TOC to TOC nets using TOC-to-TOC radios: N/A
BLOS for JTRS-compliant waveforms: Not currently in library	# of JTRS compliant waveforms: TBD
Supports any combination of digital voice or data networks	Relay for HS LOS trunk radios at 1.5 to 6.0 Mbs
Capable of cross-banding between radios/waveforms: Yes – via host APP	# of simultaneous nets: TBD
Capable of paging services: Yes – with host application	# of back single-channel UHF sat comm relays: N/A
Capable of cross-linking between multiple UAVs: Yes	Capable of Link 16 nets at one time: No
Capable of cross-banding between CRP-D components: Yes – with application package	Capable of CDMA wireless telephone services: VOIP only
Beyond line-of-sight (BLOS) relay for EPLRS of the Tactical Internet: No	
Remote control of the payload via an on-board comms manager controller: Yes – with application	
Capable of integration into the WIN-T Network Management System: Yes	
Capable of integration into the Joint Network Management System (JNMS): Yes	
Capable of completing % of the missions it starts without experiencing a mission abort: TBD	